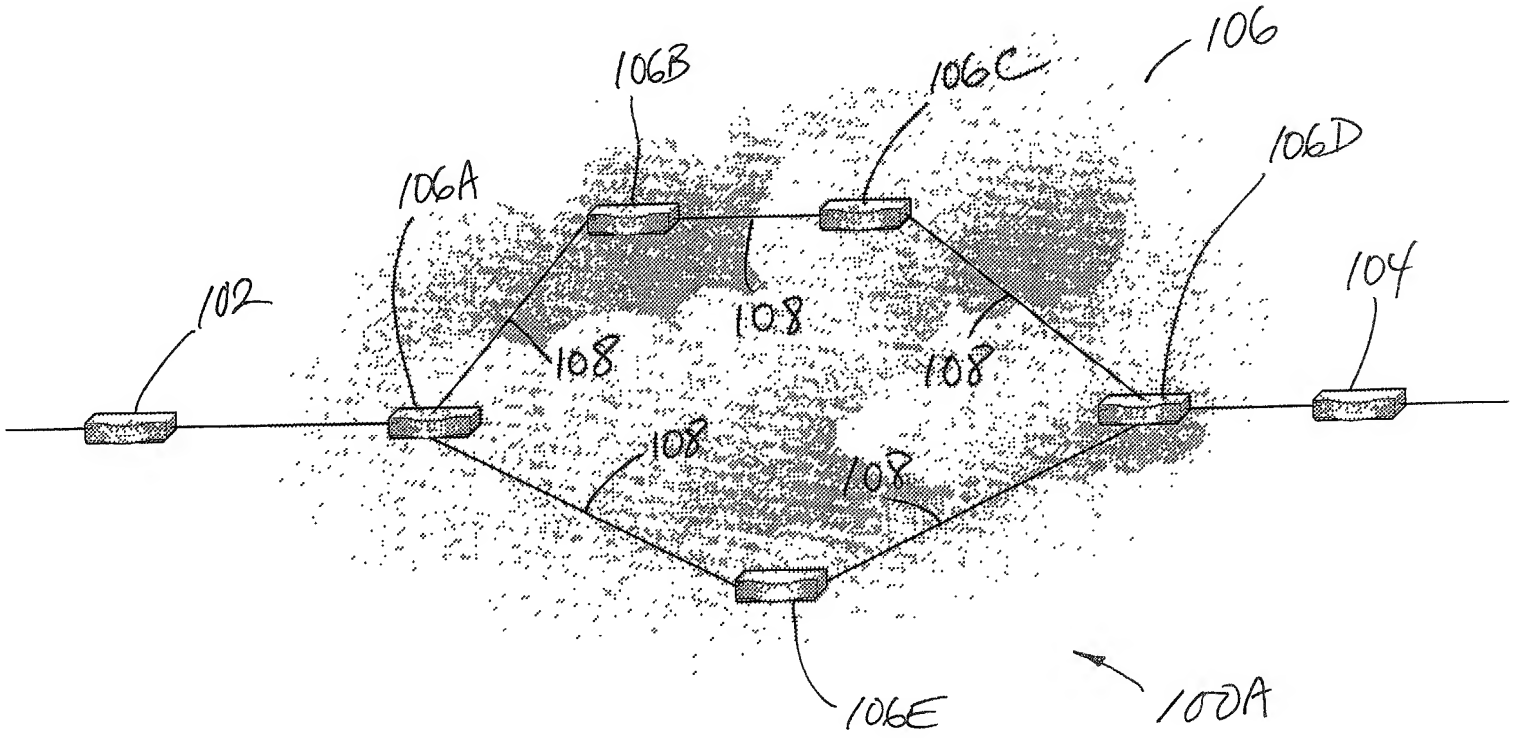

FIG. 1A

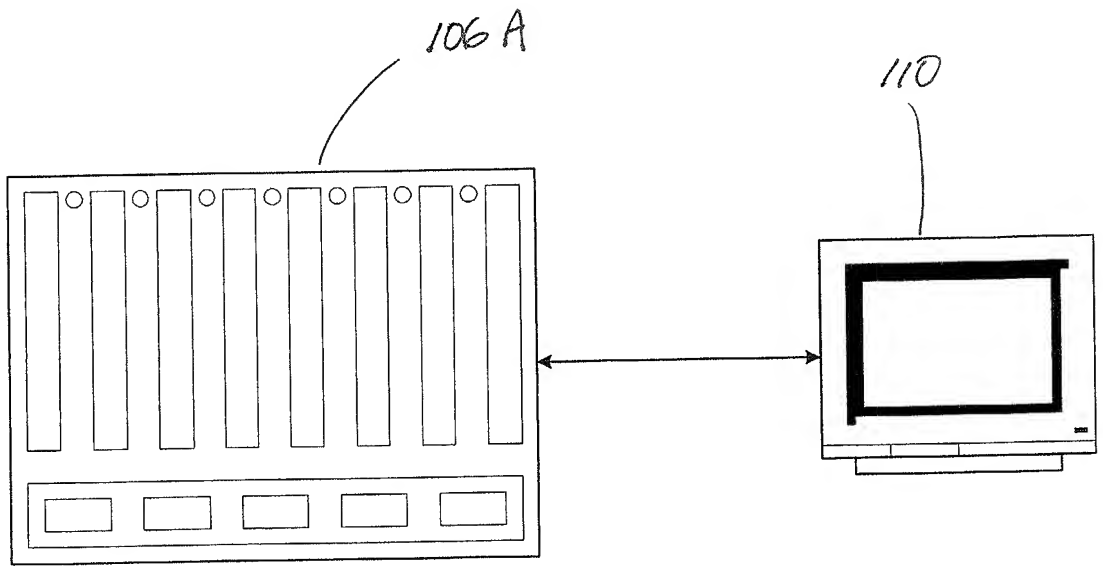

FIG. 1B

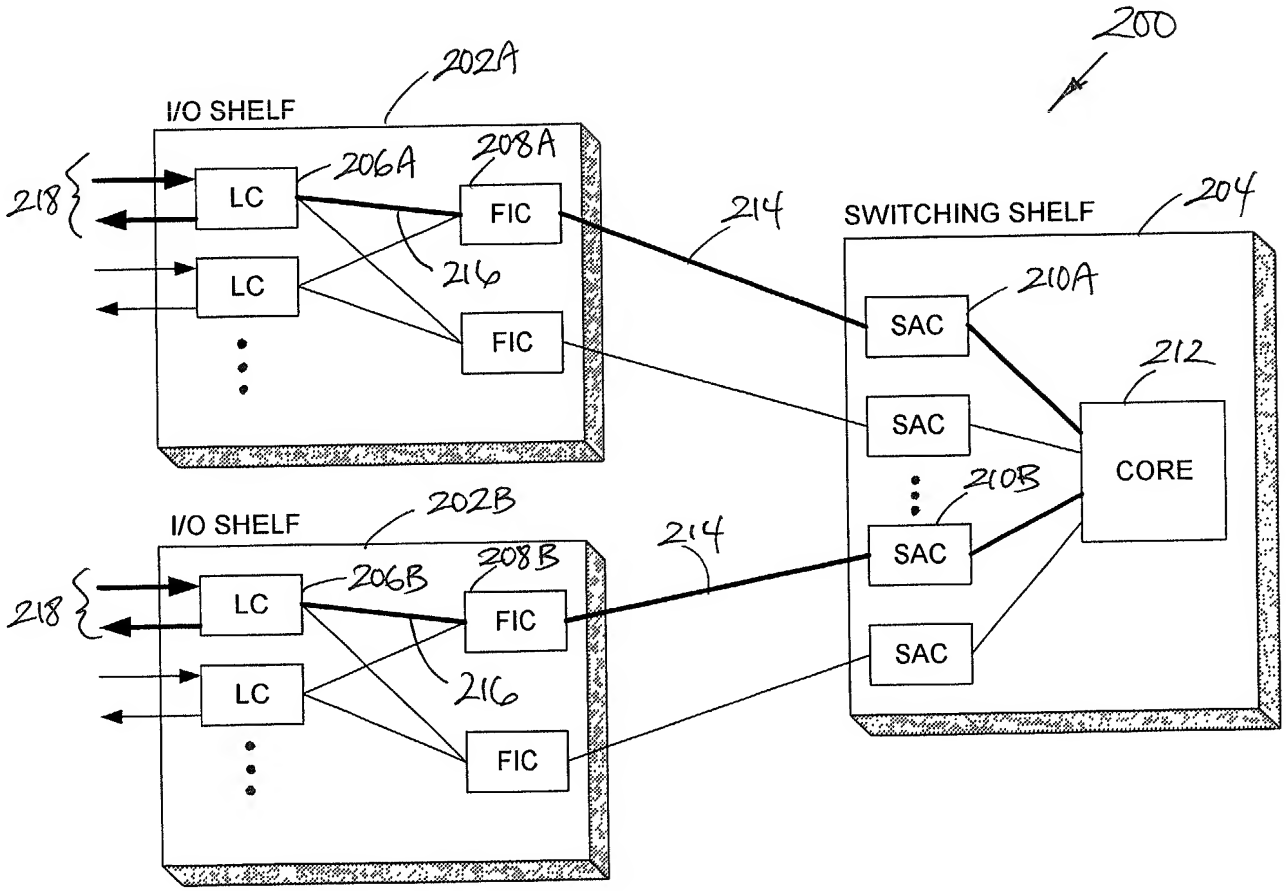
200
202A
I/O SHELF
218
LC
206A
208A
FIC
LC
216
FIC
214
SWITCHING SHELF
204
210A
SAC
212
SAC
CORE
210B
SAC
SAC
202B
I/O SHELF
218
LC
206B
208B
FIC
214
LC
216
FIC

FIG. 2A

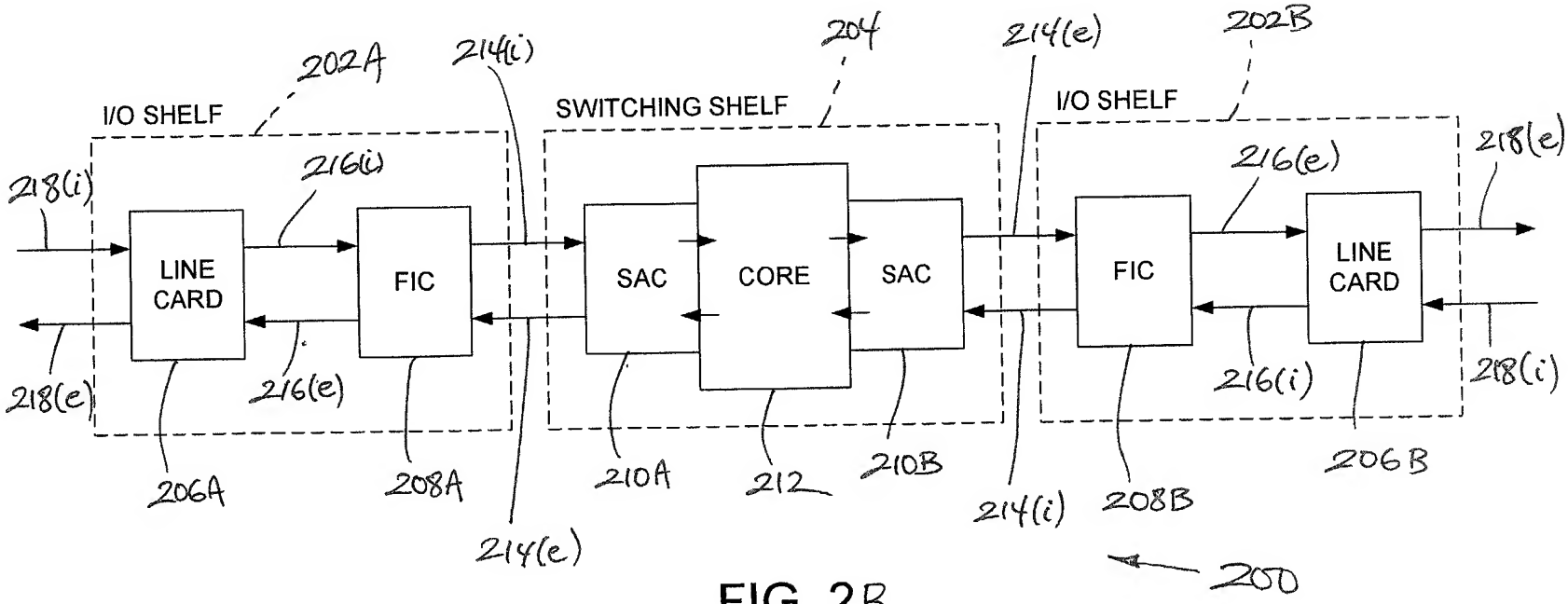
202A
214(i)
204
214(e)
202B
I/O SHELF
SWITCHING SHELF
I/O SHELF
218(i)
216(i)
216(e)
218(e)
LINE CARD
FIC
SAC
CORE
SAC
FIC
LINE CARD
218(e)
216(e)
216(i)
218(i)
206A
208A
210A
212
210B
214(i)
208B
206B
214(e)
200

FIG. 2B

FOR27F "2h/S20OT

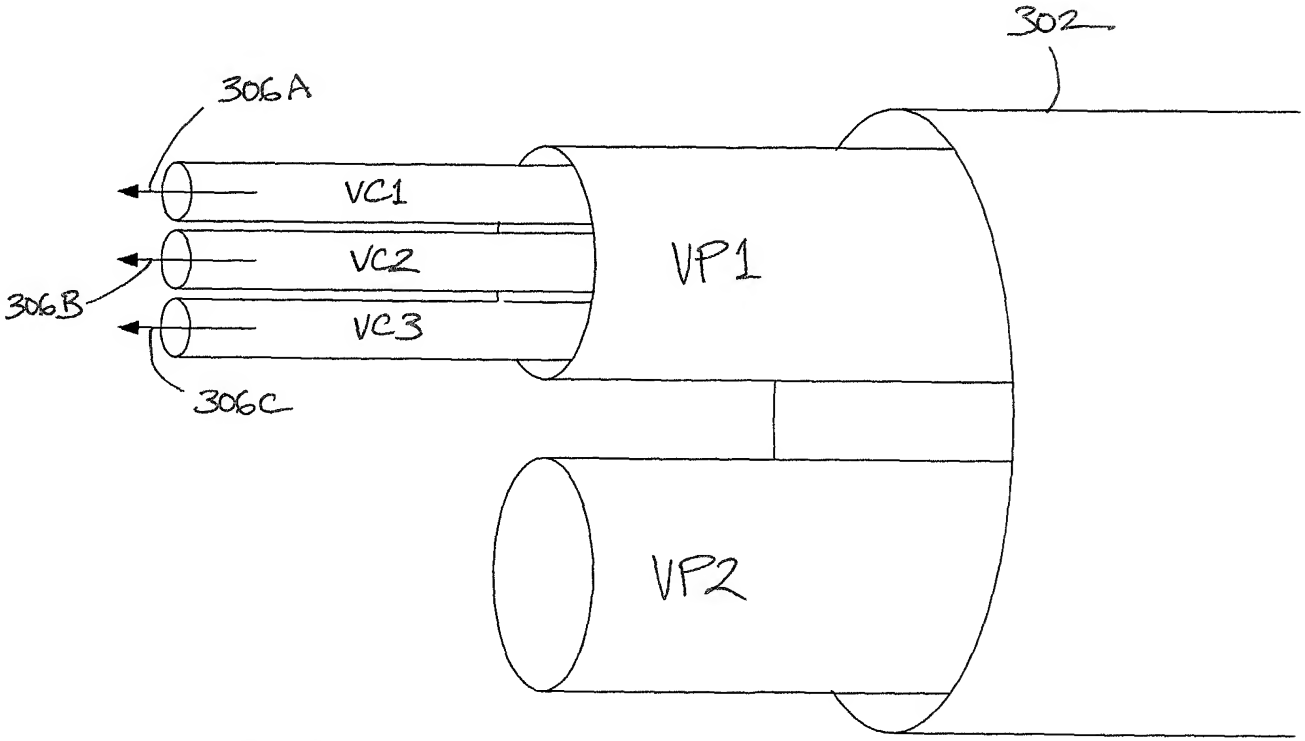

FIG. 3

T0922F" 2h7520DT

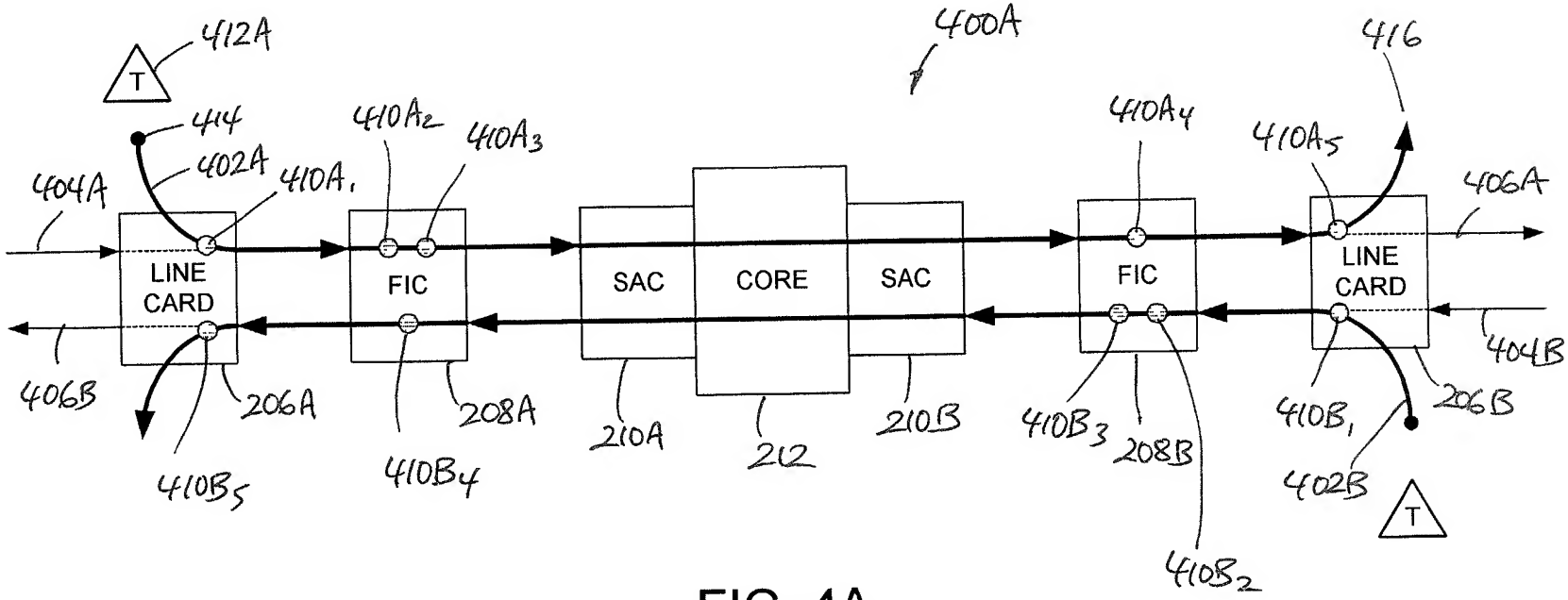

FIG. 4A

4025742 - 125504

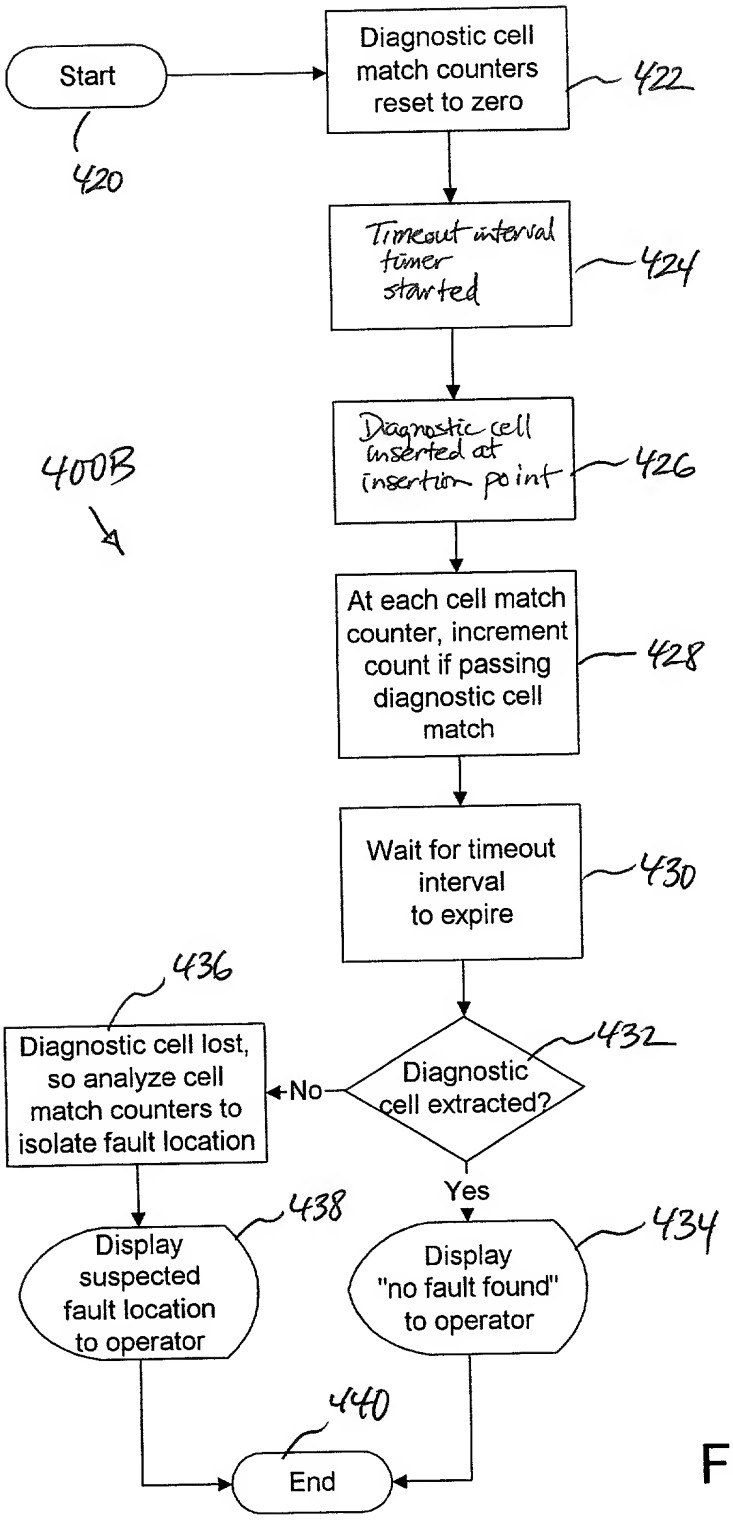

FIG. 4B

TO922T 2H7S200T

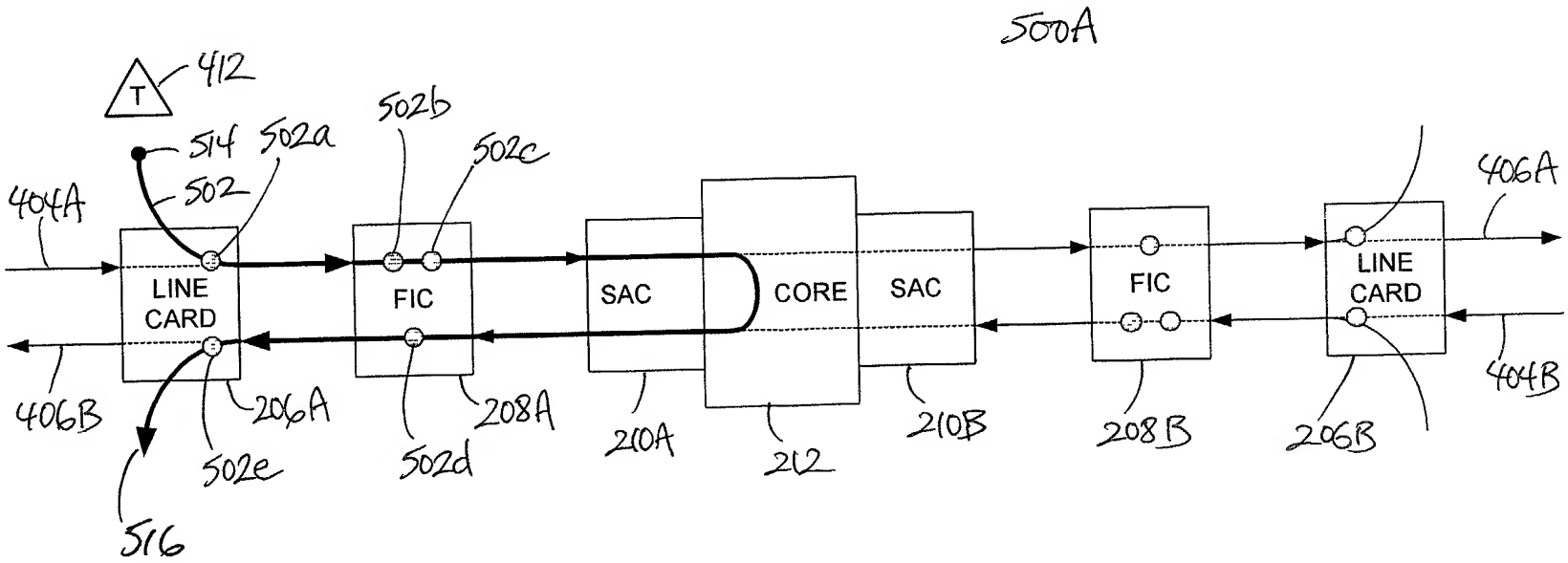

FIG. 5A

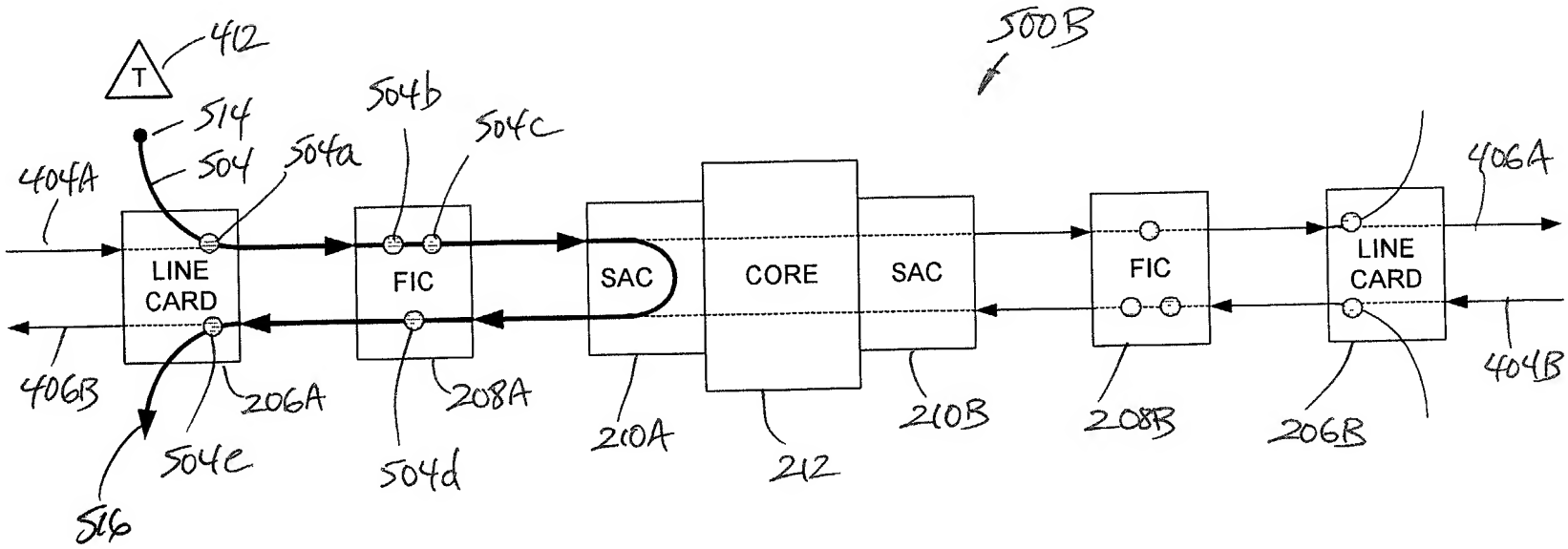
412
T
514
504
504a
504b
504c
500B
404A
406A
LINE CARD
FIC
SAC
CORE
SAC
FIC
LINE CARD
406B
404B
206A
208A
210A
212
210B
208B
206B
504e
504d
516

FIG. 5B

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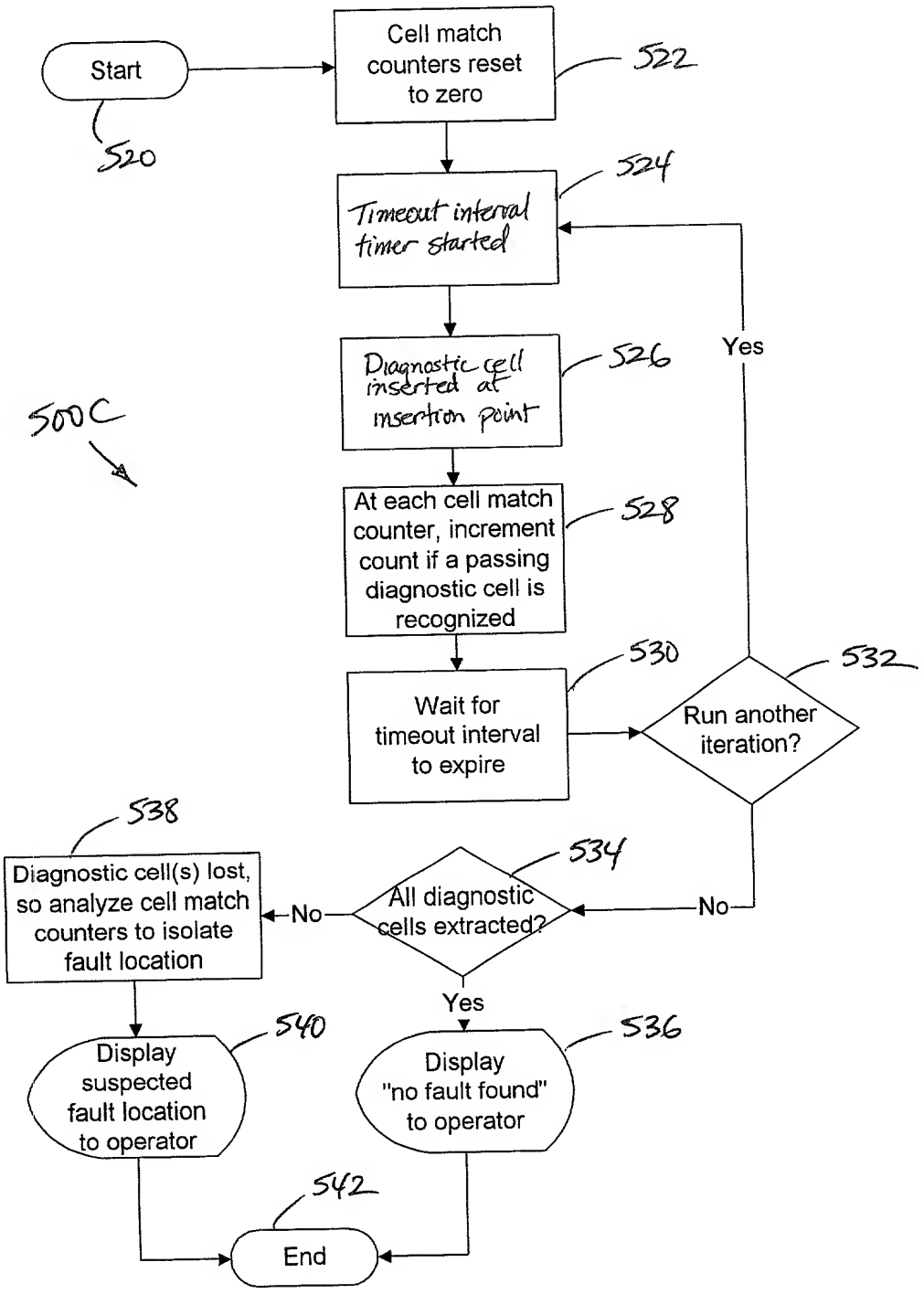


FIG. 5C

T0922T" 2h2S200T

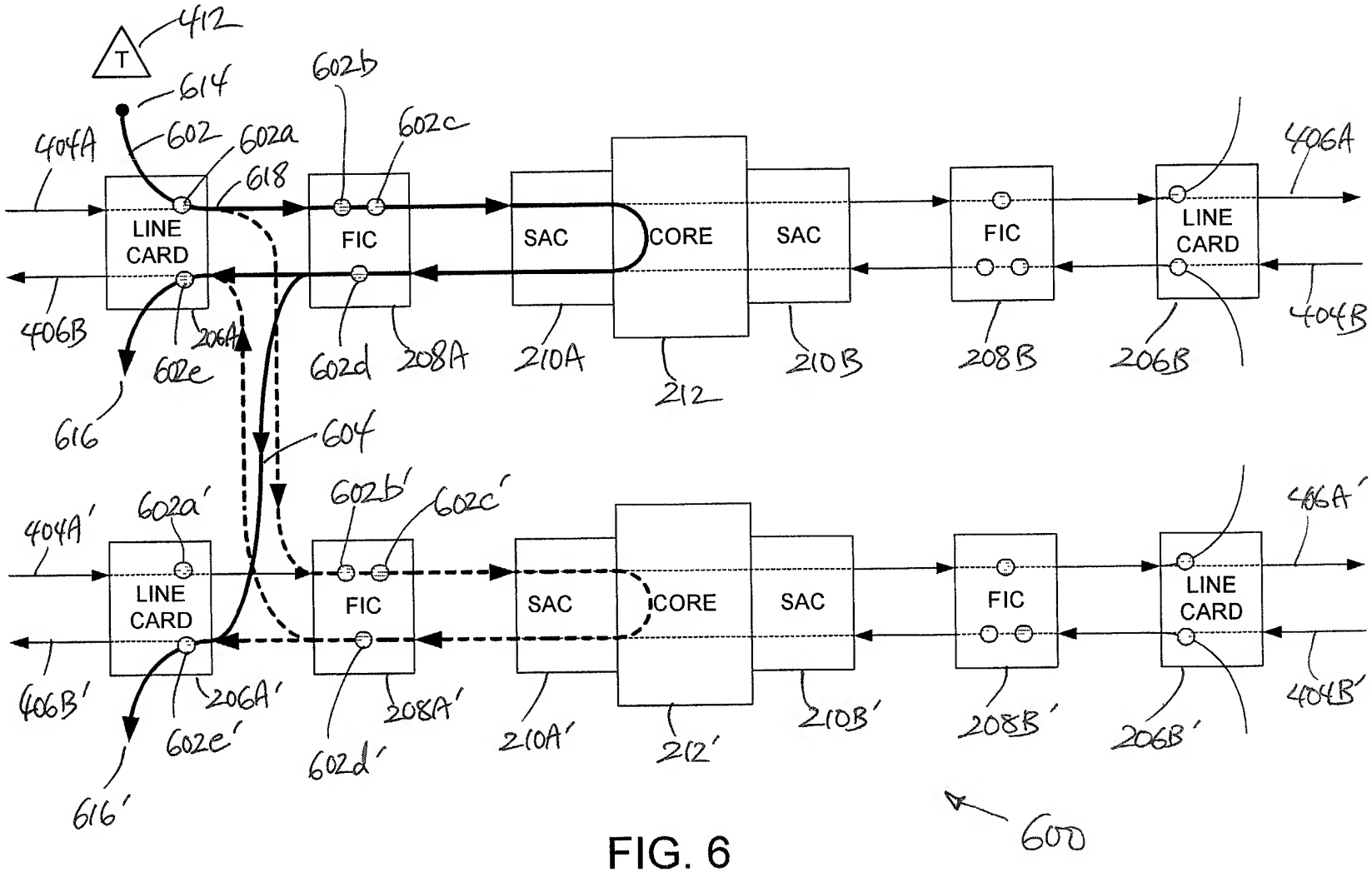
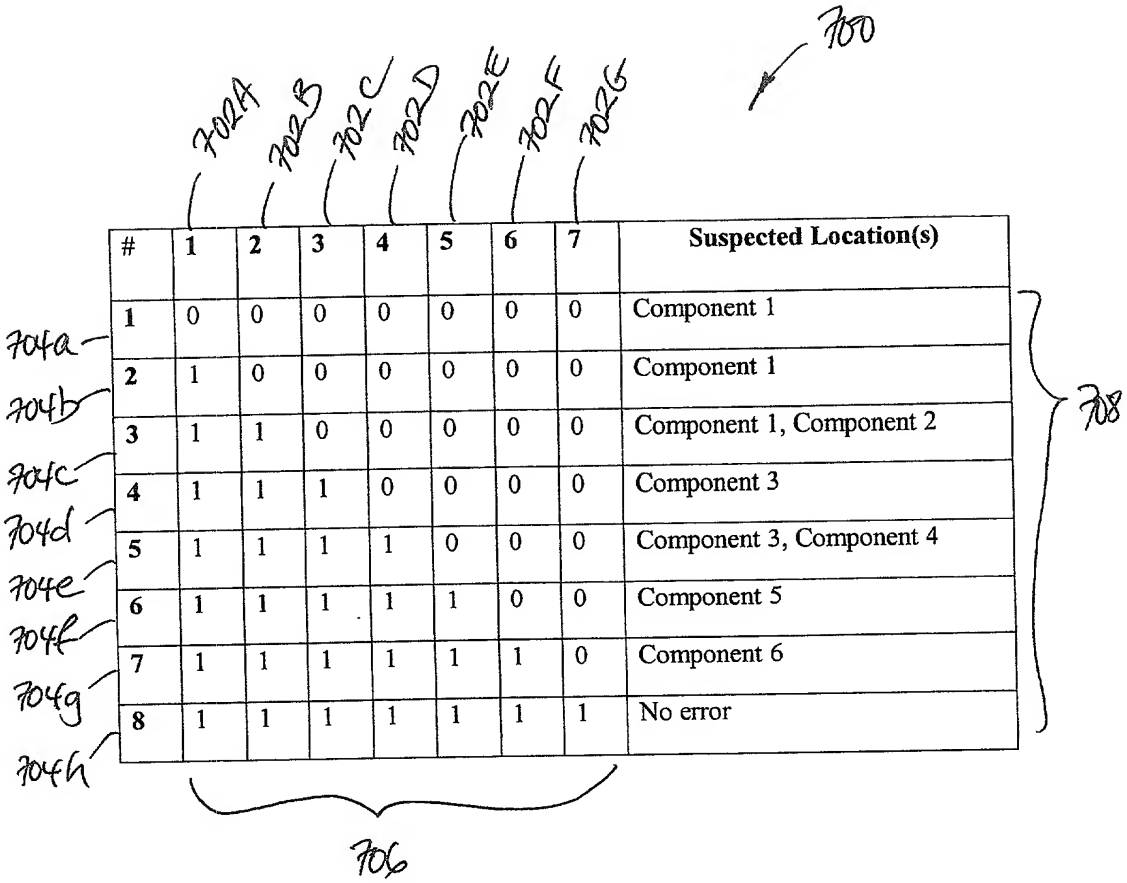


FIG. 6



#	1	2	3	4	5	6	7	Suspected Location(s)
1	0	0	0	0	0	0	0	Component 1
2	1	0	0	0	0	0	0	Component 1
3	1	1	0	0	0	0	0	Component 1, Component 2
4	1	1	1	0	0	0	0	Component 3
5	1	1	1	1	0	0	0	Component 3, Component 4
6	1	1	1	1	1	0	0	Component 5
7	1	1	1	1	1	1	0	Component 6
8	1	1	1	1	1	1	1	No error

FIG. 7

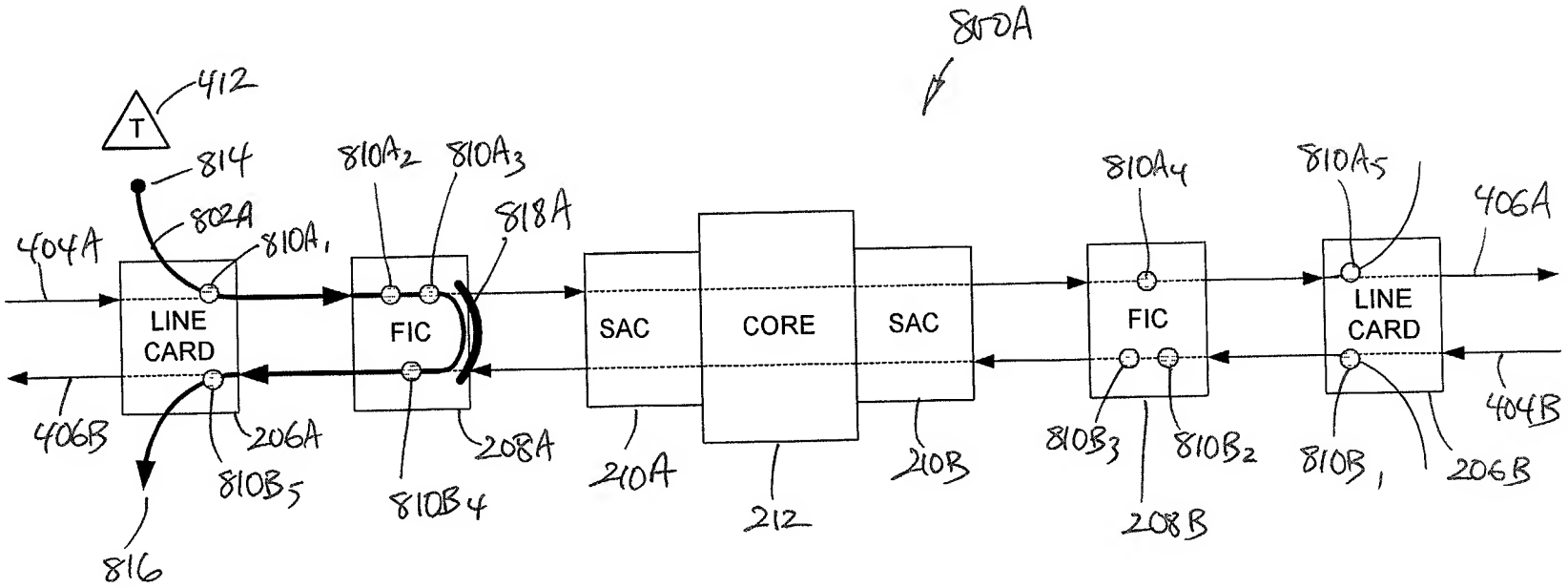

850A
412
T
814
802A
810A1
810A2
810A3
818A
404A
406A
LINE CARD
FIC
SAC
CORE
SAC
FIC
LINE CARD
810A4
810A5
406B
206A
208A
210A
212
210B
810B3
810B2
810B1
206B
404B
810B5
810B4
208B
816

FIG. 8A

TO92AT 2hZ5200T

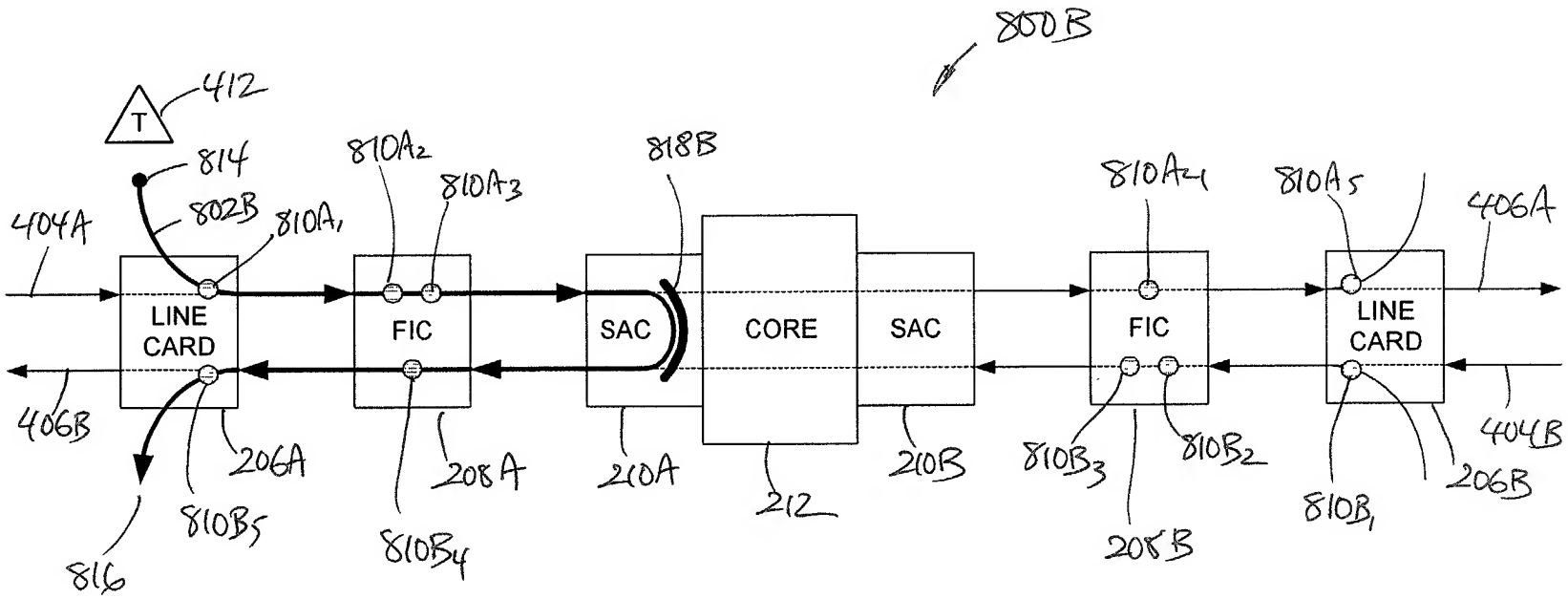


FIG. 8B

T0922T" 2h252007

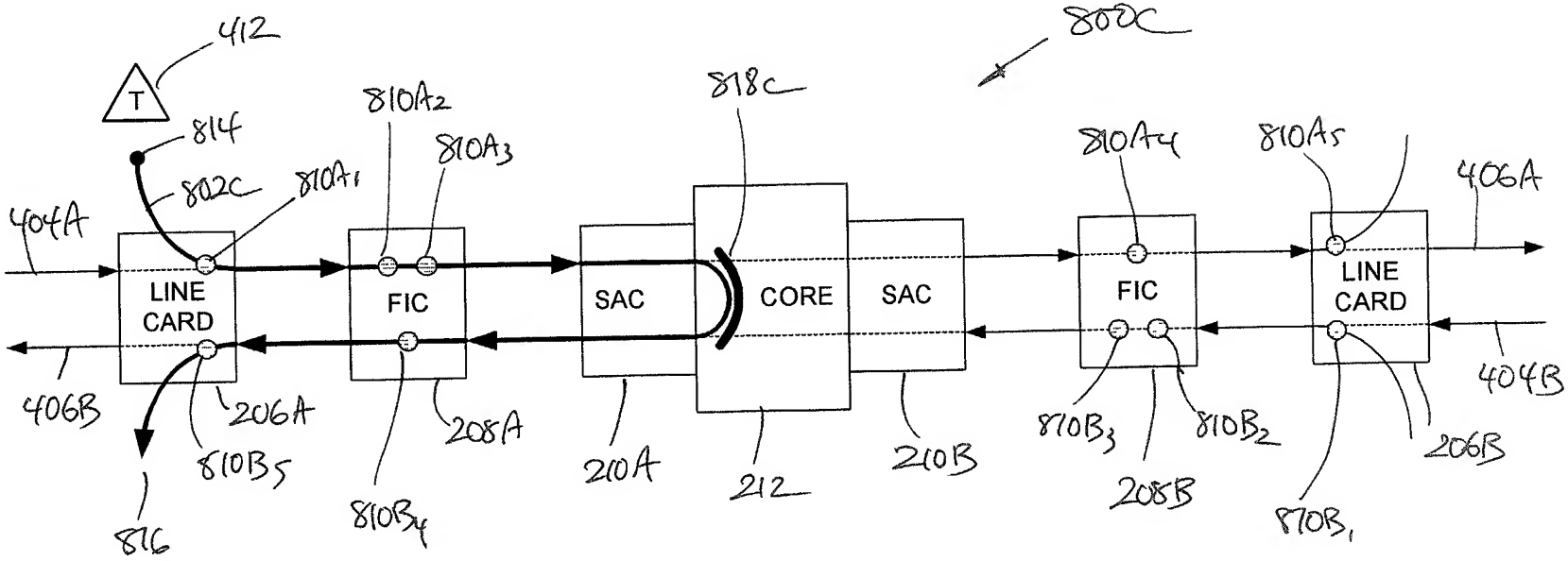


FIG. 8C

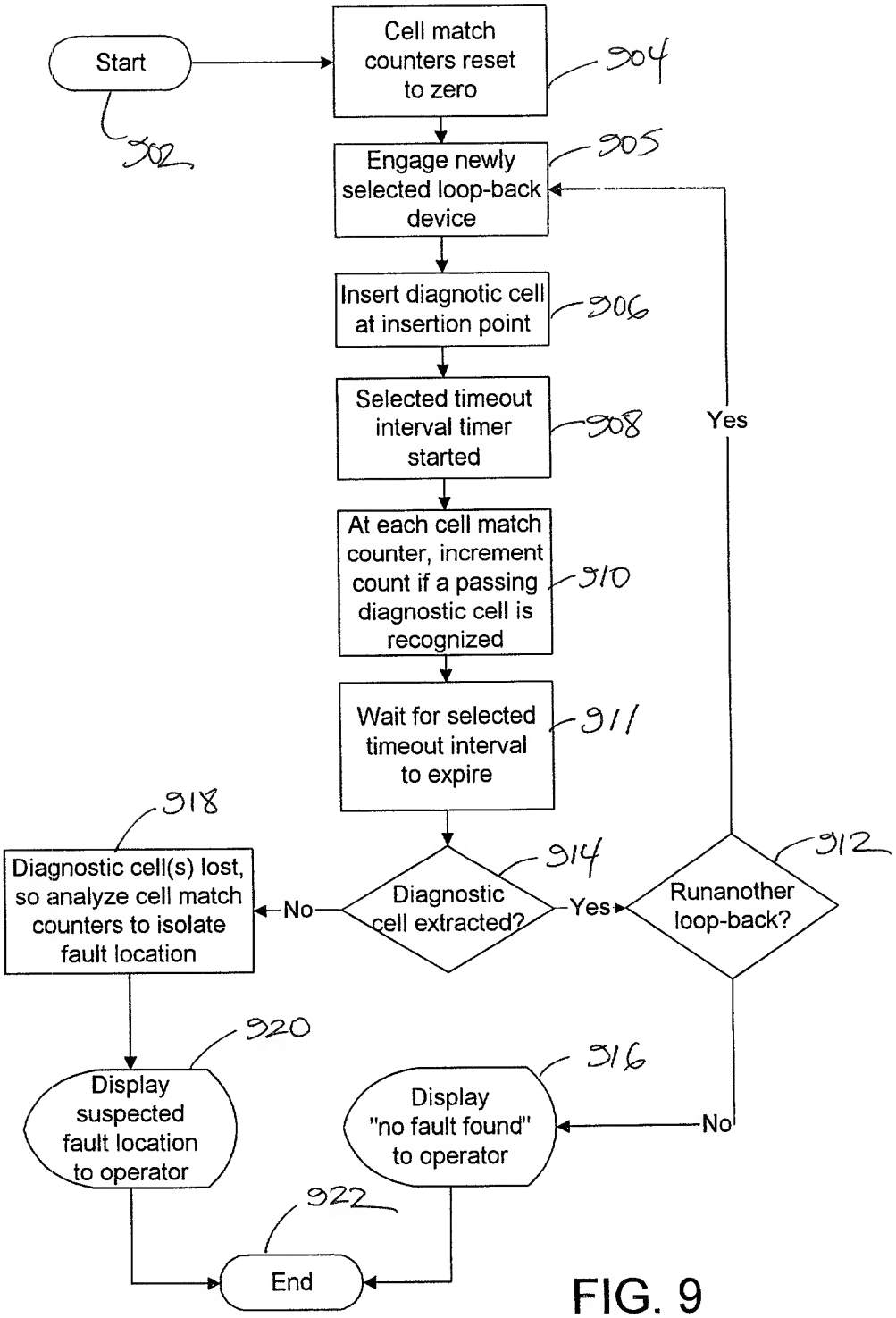

Start
902
Cell match counters reset to zero
904
Engage newly selected loop-back device
905
Insert diagnotic cell at insertion point
906
Selected timeout interval timer started
908
At each cell match counter, increment count if a passing diagnostic cell is recognized
910
Wait for selected timeout interval to expire
911
Diagnostic cell extracted?
914
No
Yes
Diagnostic cell(s) lost, so analyze cell match counters to isolate fault location
918
Runanother loop-back?
912
Yes
No
Display suspected fault location to operator
920
Display "no fault found" to operator
916
End
922

FIG. 9